

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059653.D
 Acq On : 18 Dec 2019 16:48
 Operator : JC/SP
 Sample : K6309-05 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30788

Quant Time: Dec 19 05:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	229880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	369315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	325147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	166534	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.57	113	115533	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	10.08	98	455830	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	149952	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

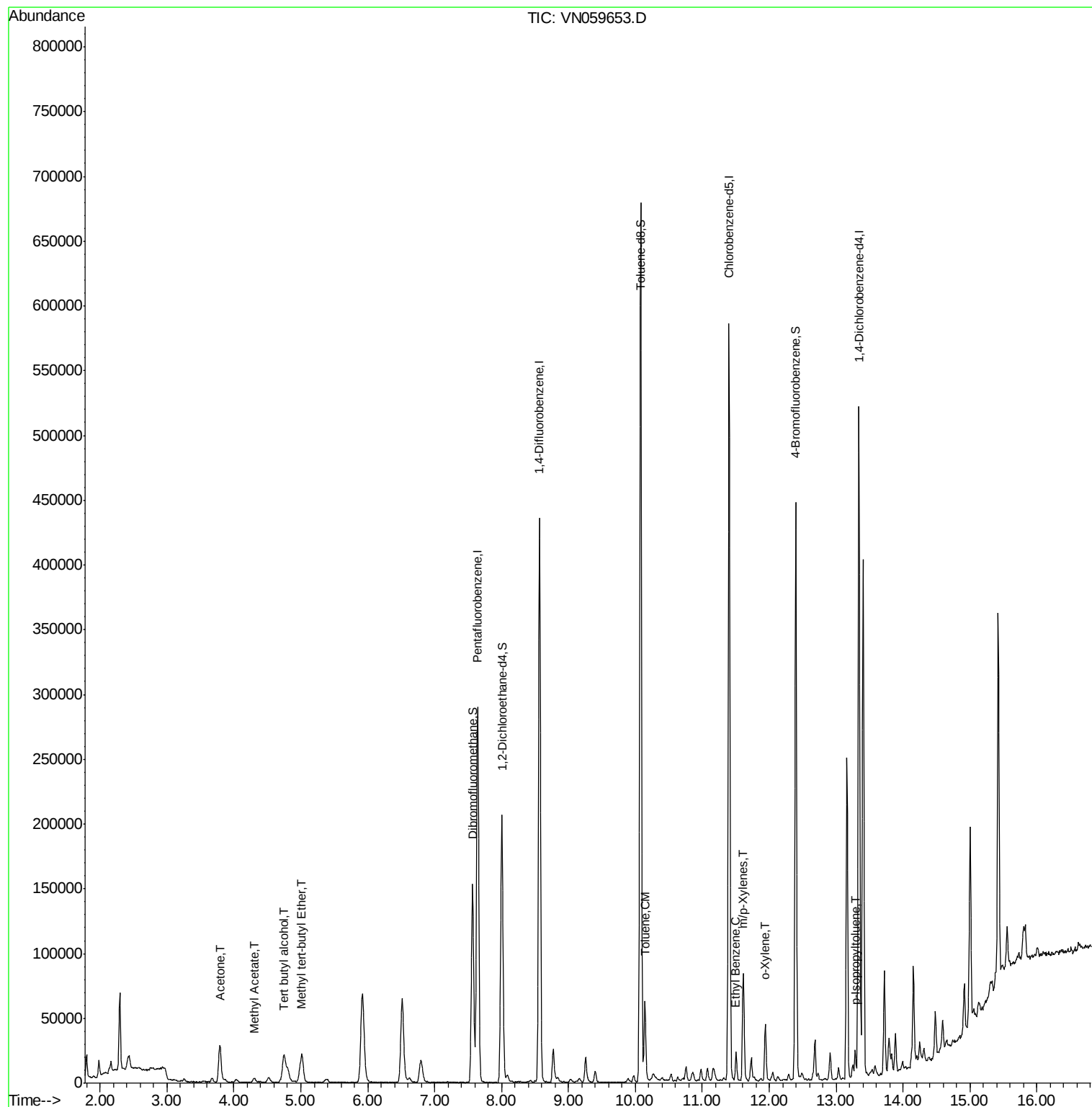
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	39521	64.444	ug/l	99
16) Acetone	3.79	43	49895	25.123	ug/l	98
18) Methyl Acetate	4.31	43	6537	1.571	ug/l #	88
19) Methyl tert-butyl Ether	5.01	73	33597	3.946	ug/l	97
52) Toluene	10.14	92	26090	3.773	ug/l	96
67) Ethyl Benzene	11.50	91	15516	1.222	ug/l	99
68) m/p-Xylenes	11.61	106	25473	5.432	ug/l	99
69) o-Xylene	11.94	106	10718	2.402	ug/l	90
86) p-Isopropyltoluene	13.29	119	11228	1.272	ug/l	97

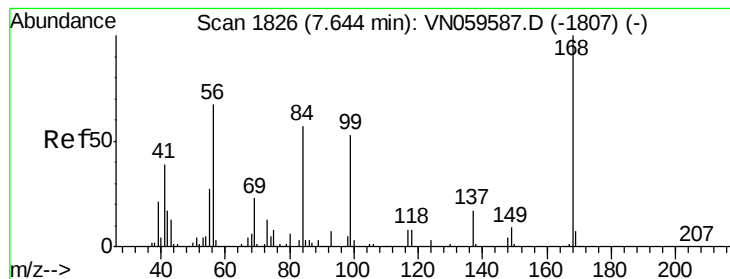
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

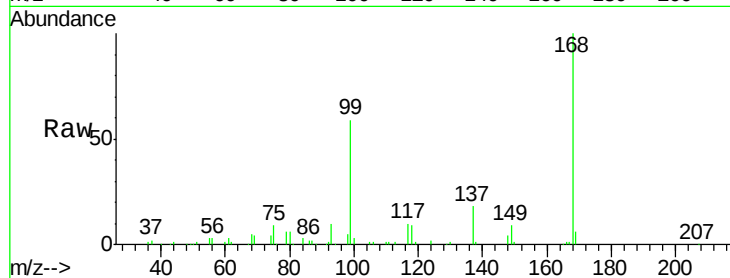
30788

Tot Ion:168 Resp: 229880

Ion Ratio Lower Upper

168 100

99 59.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

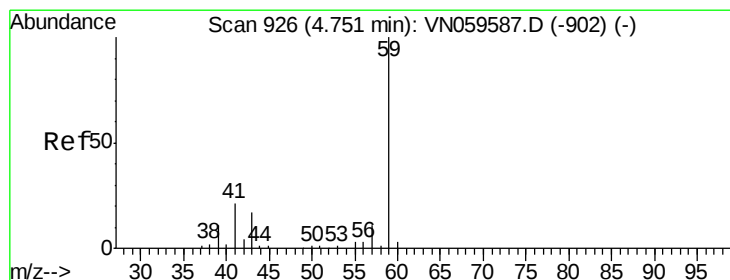
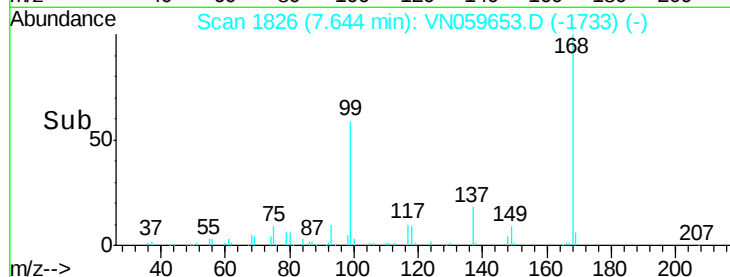
40000

20000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 64.444 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059653.D

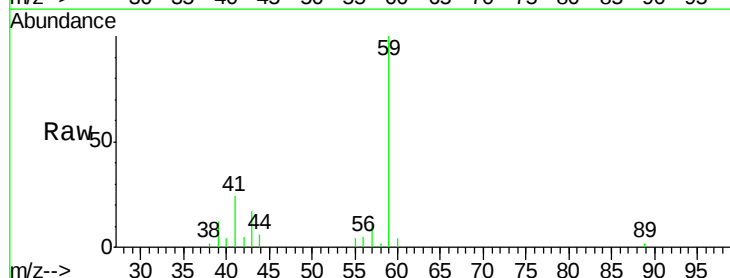
Acq: 18 Dec 2019 16:48

Tgt Ion: 59 Resp: 39521

Ion Ratio Lower Upper

59 100

57 10.3 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

12000

10000

8000

6000

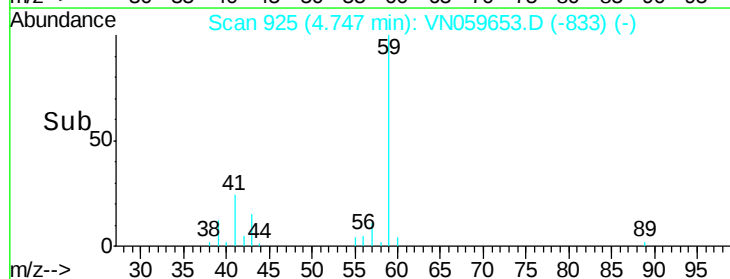
4000

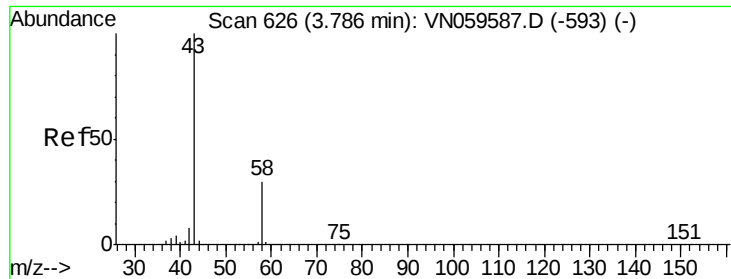
2000

0

4.60 4.70 4.80 4.90

Time-->





#16

Acetone

Concen: 25.123 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

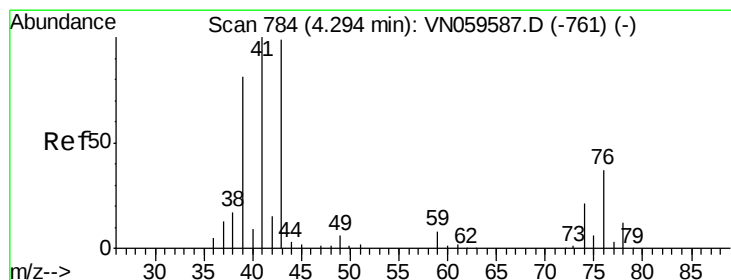
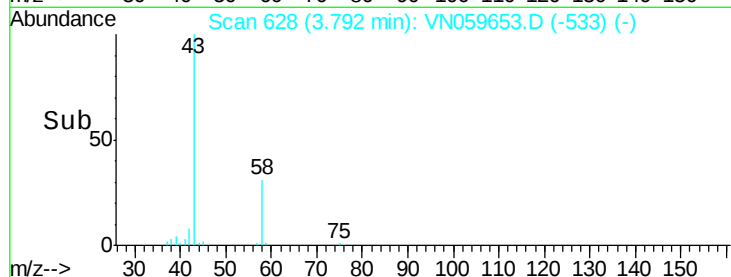
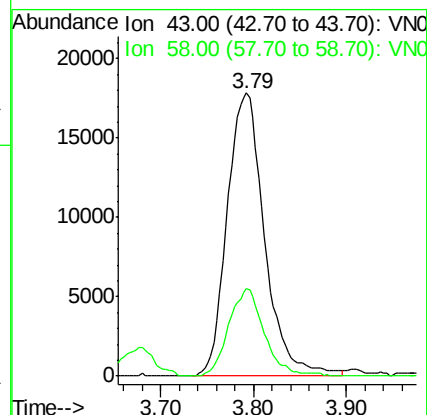
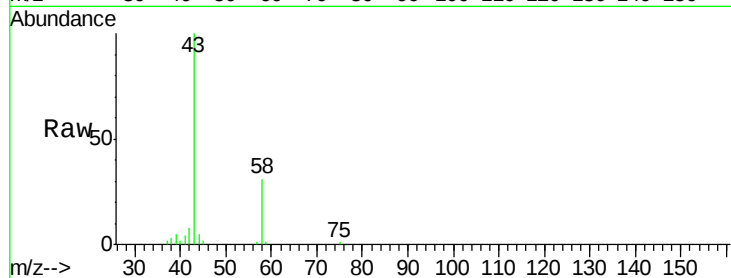
30788

Tot Ion: 43 Resp: 49895

Ion Ratio Lower Upper

43 100

58 30.7 23.6 35.4



#18

Methyl Acetate

Concen: 1.571 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059653.D

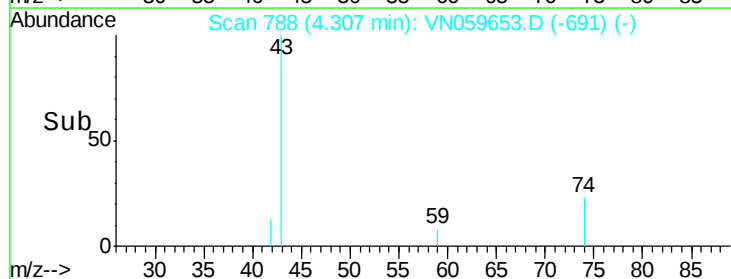
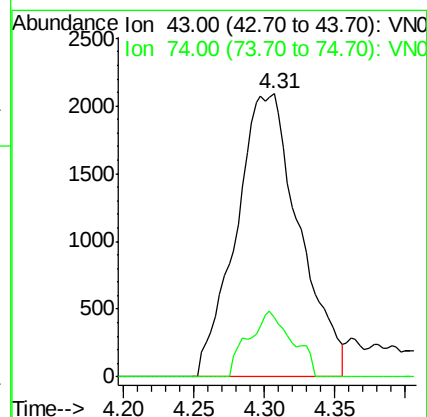
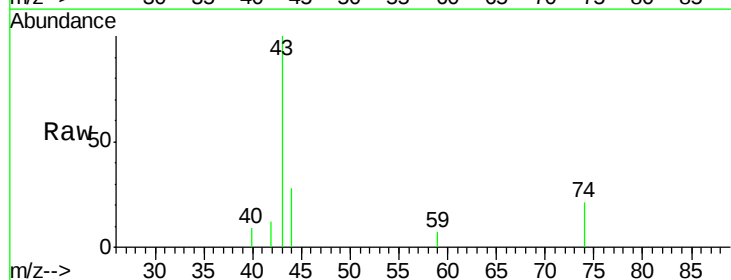
Acq: 18 Dec 2019 16:48

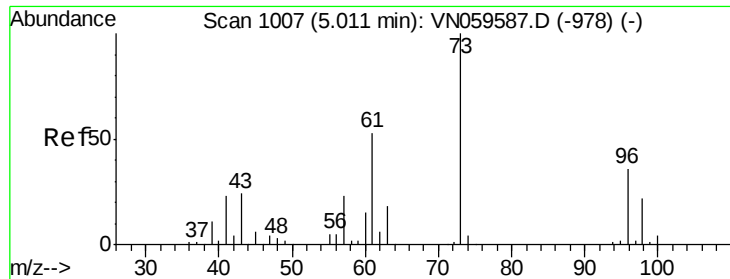
Tgt Ion: 43 Resp: 6537

Ion Ratio Lower Upper

43 100

74 16.1 17.5 26.3#

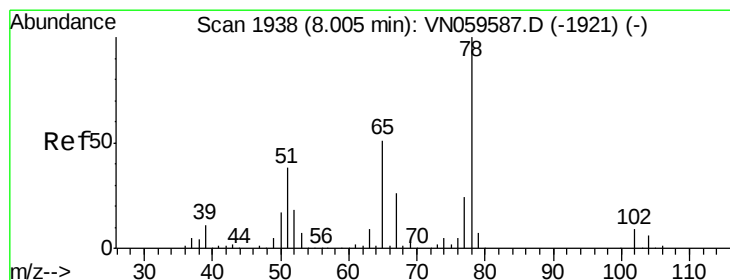
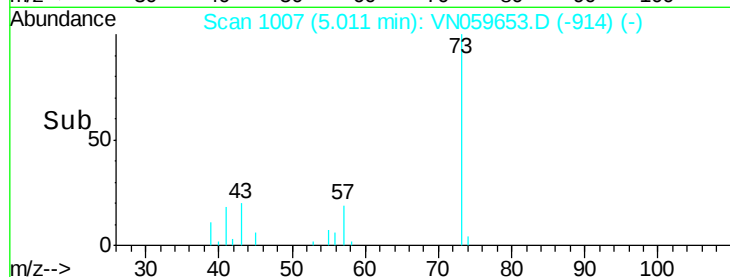
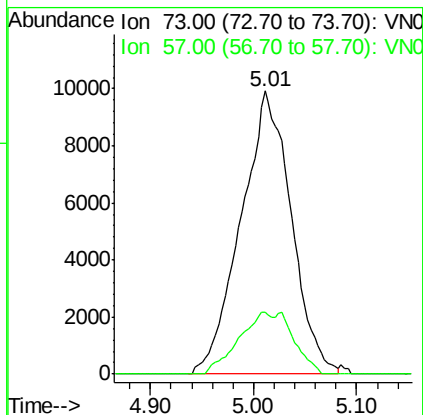
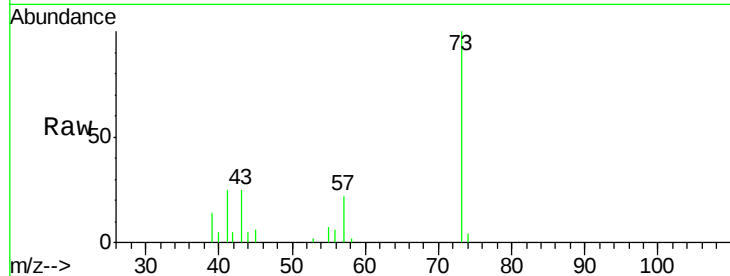




#19
Methvl tert-butvl Ether
Concen: 3.946 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059653.D
Acq: 18 Dec 2019 16:48

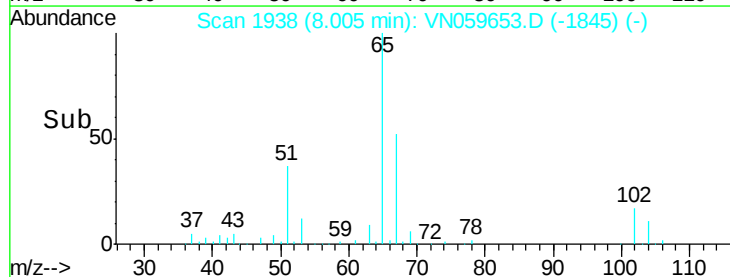
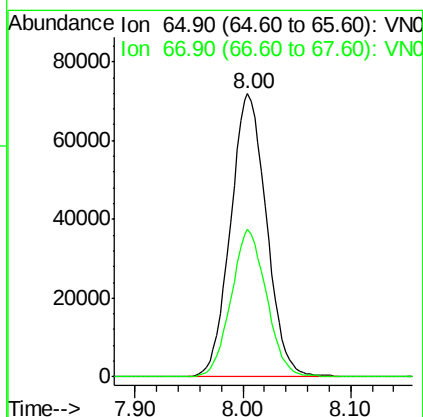
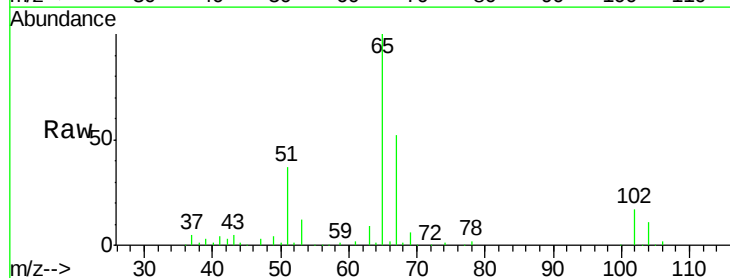
Instrument :
MSVOA_N
ClientSampled :
30788

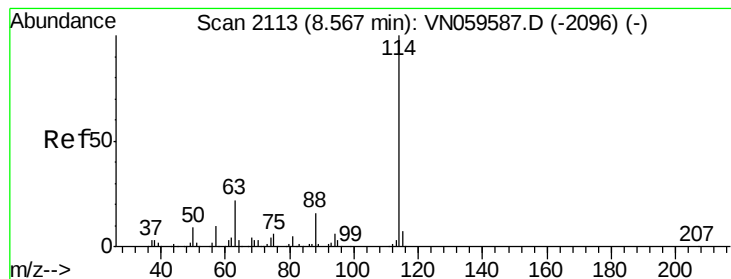
Tot Ion: 73 Resp: 33597
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 49.784 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059653.D
Acq: 18 Dec 2019 16:48

Tgt Ion: 65 Resp: 166534
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

30788

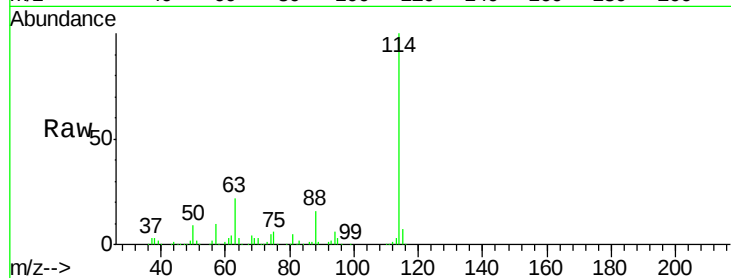
Tot Ion:114 Resp: 369315

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.6

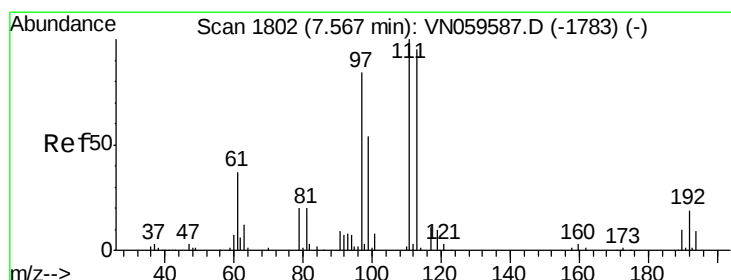
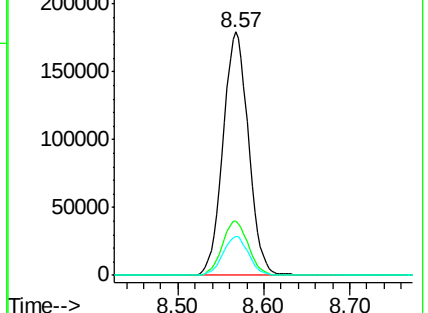
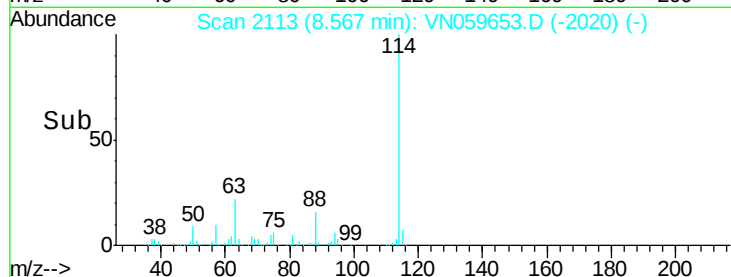
88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.998 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

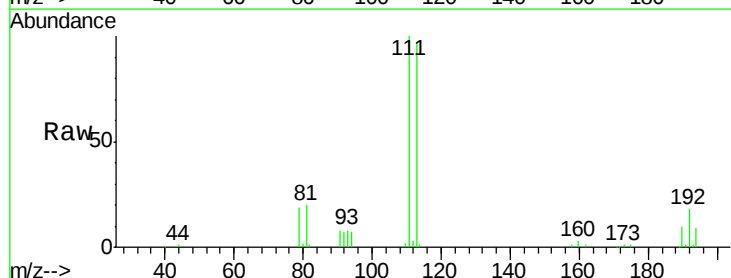
Tgt Ion:113 Resp: 115533

Ion Ratio Lower Upper

113 100

111 103.1 83.5 125.3

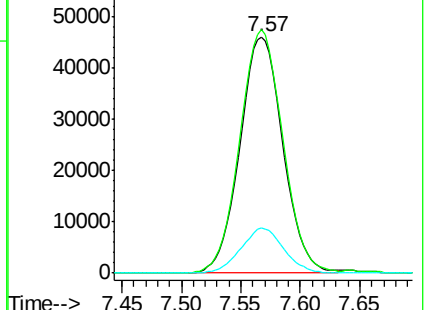
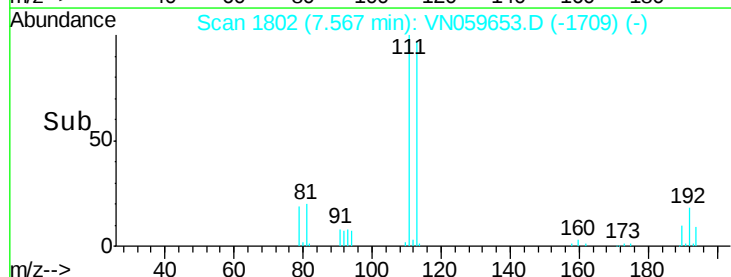
192 19.0 15.4 23.2

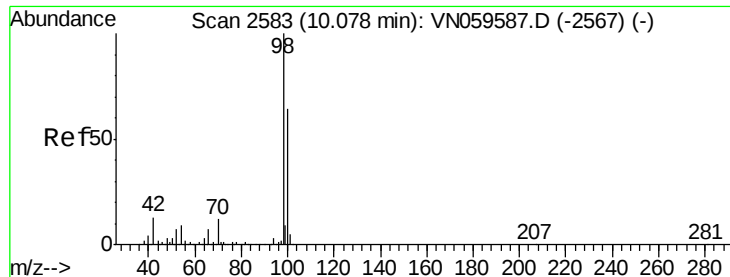


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.825 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

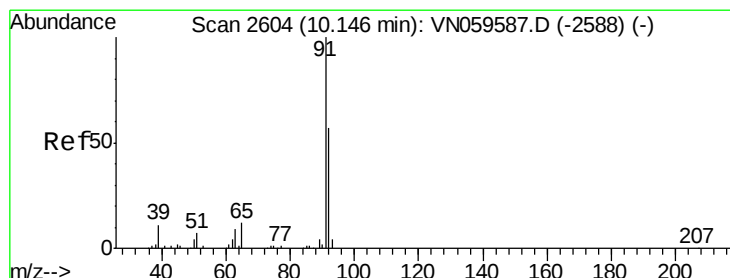
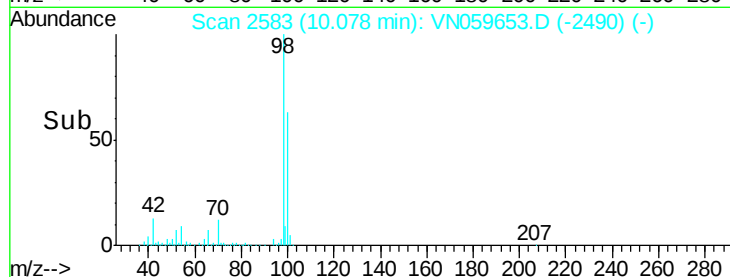
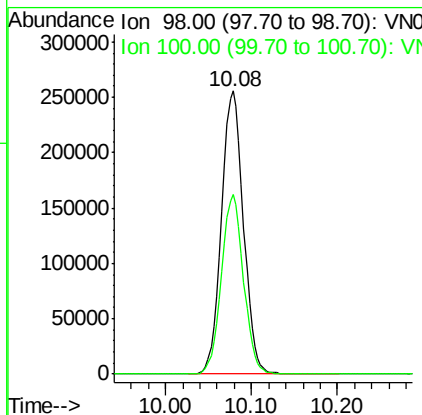
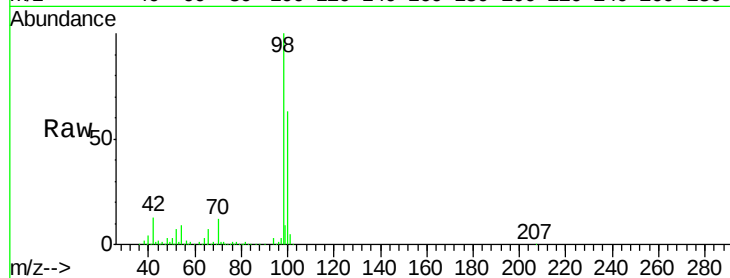
30788

Tot Ion: 98 Resp: 455830

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#52

Toluene

Concen: 3.773 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059653.D

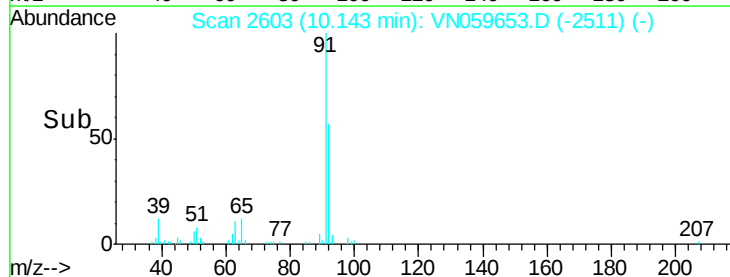
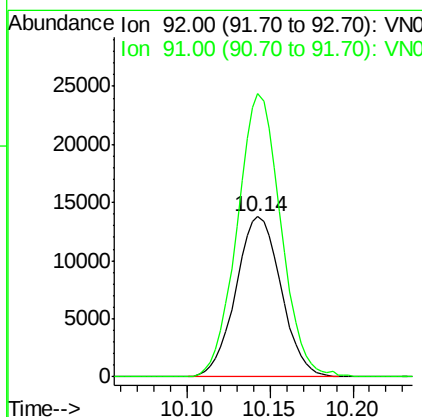
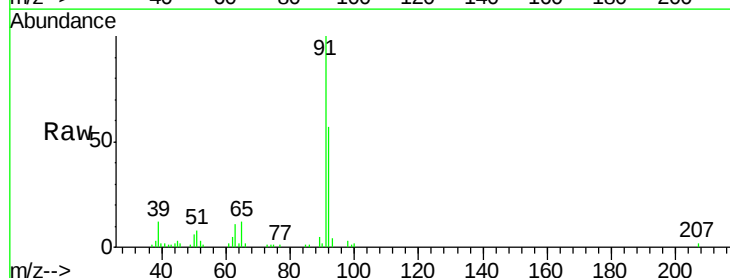
Acq: 18 Dec 2019 16:48

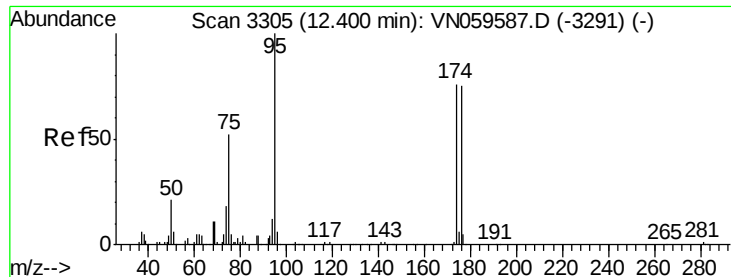
Tgt Ion: 92 Resp: 26090

Ion Ratio Lower Upper

92 100

91 170.5 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 44.919 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

30788

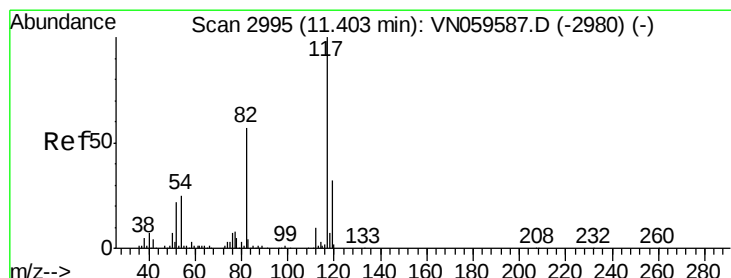
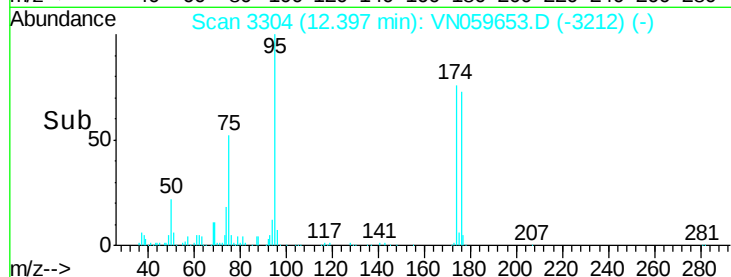
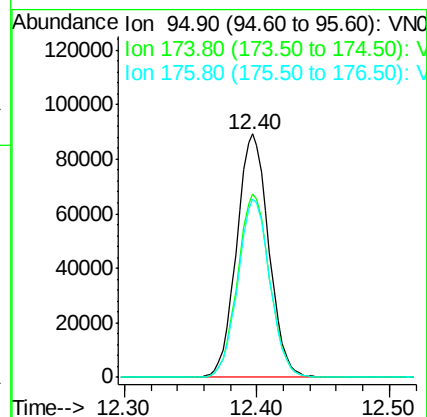
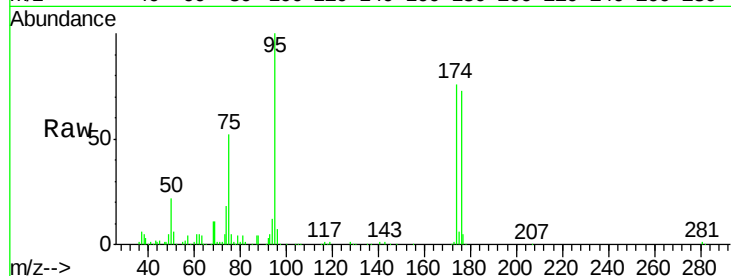
Tot Ion: 95 Resp: 149952

Ion Ratio Lower Upper

95 100

174 75.4 0.0 151.4

176 73.1 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

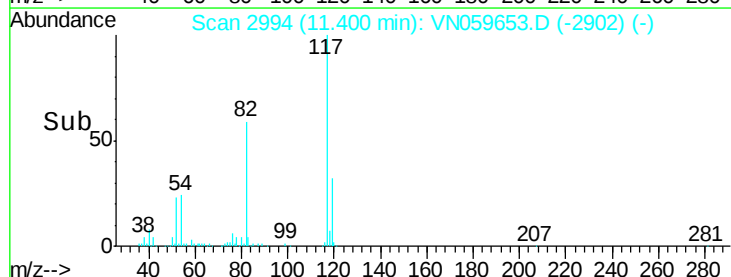
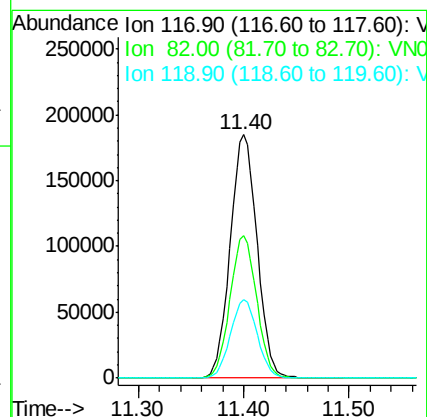
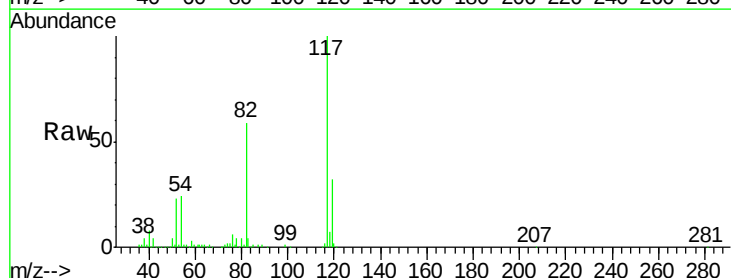
Tgt Ion: 117 Resp: 325147

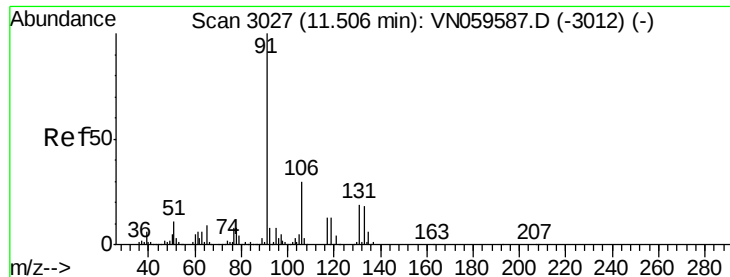
Ion Ratio Lower Upper

117 100

82 58.5 45.9 68.9

119 32.3 25.5 38.3





#67

Ethyl Benzene

Concen: 1.222 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059653.D

Acq: 18 Dec 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

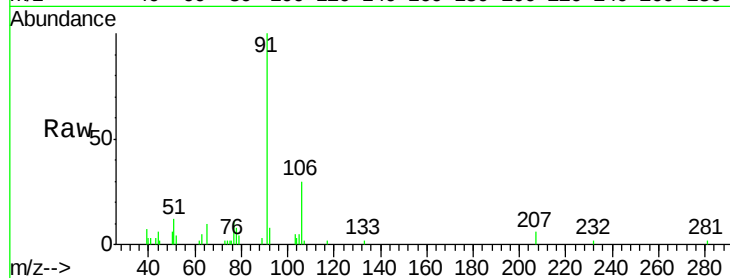
30788

Tot Ion: 91 Resp: 15516

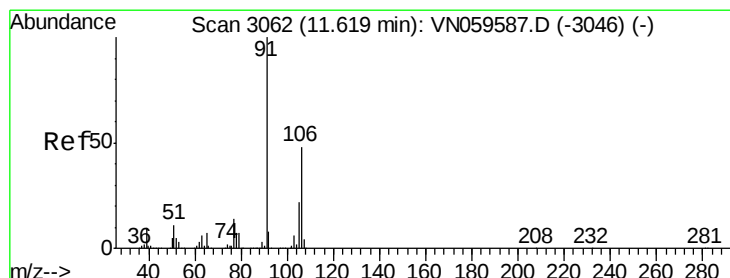
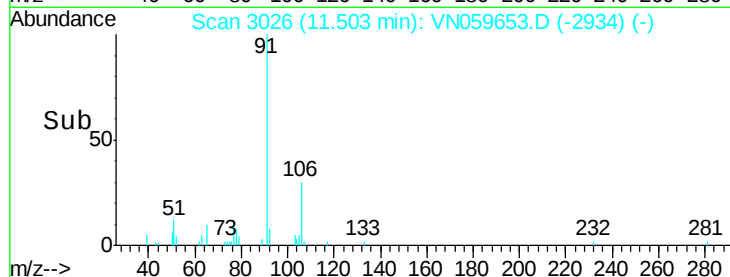
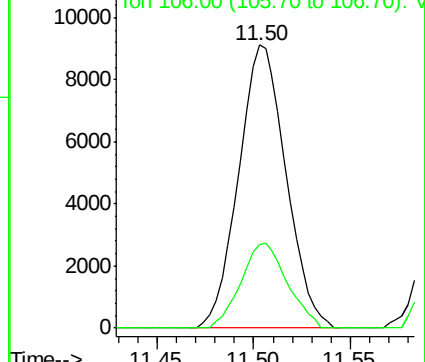
Ion Ratio Lower Upper

91 100

106 29.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 5.432 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VN059653.D

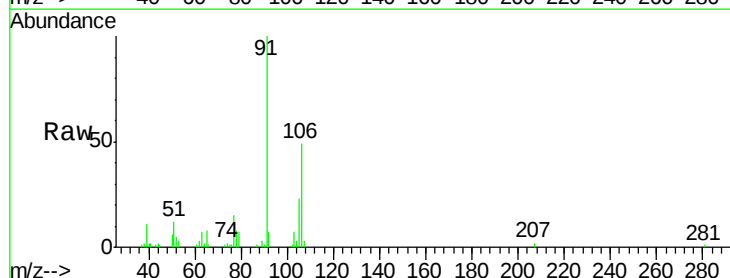
Acq: 18 Dec 2019 16:48

Tgt Ion: 106 Resp: 25473

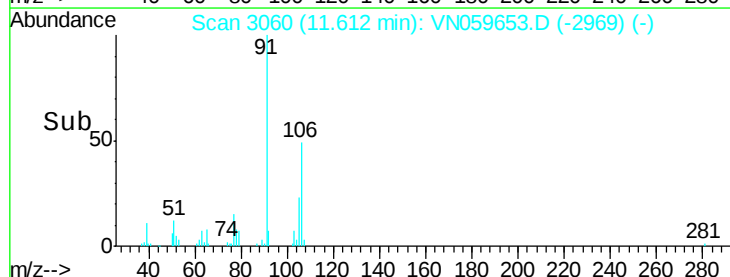
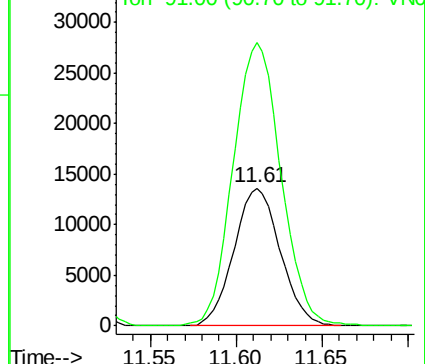
Ion Ratio Lower Upper

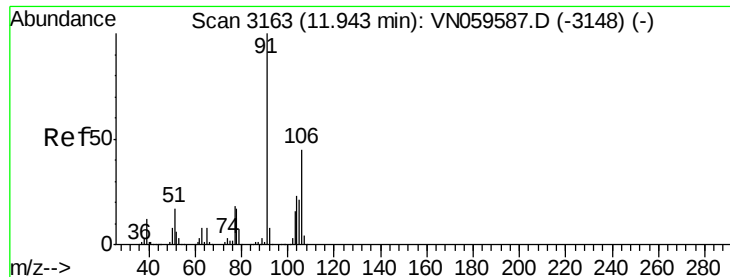
106 100

91 212.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

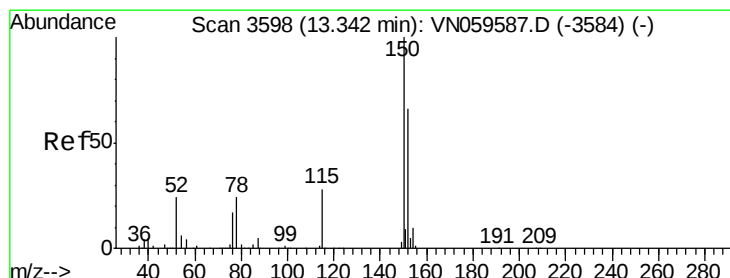
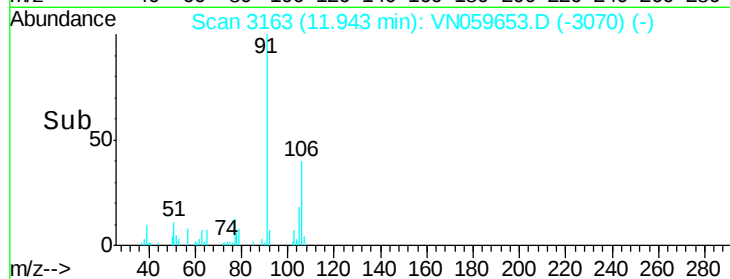
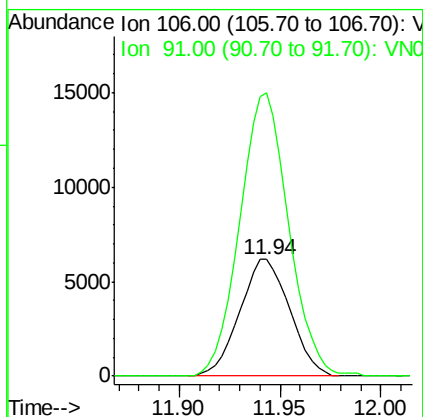
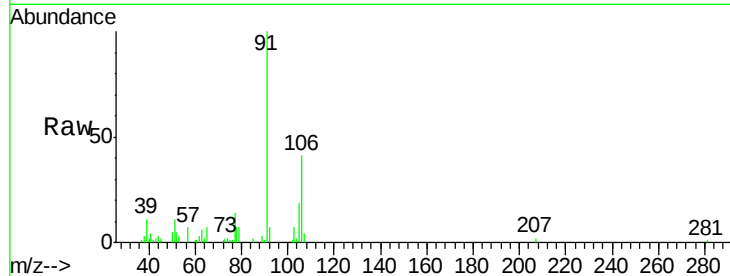




#69
o-Xylene
Concen: 2.402 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059653.D
Acq: 18 Dec 2019 16:48

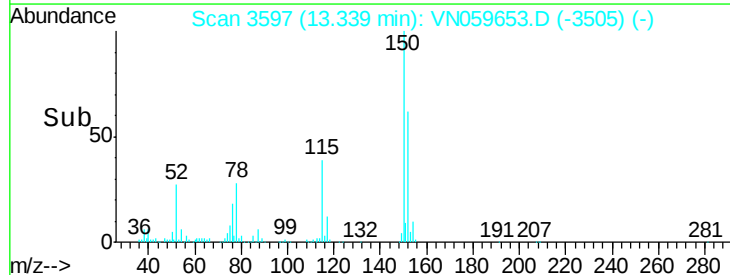
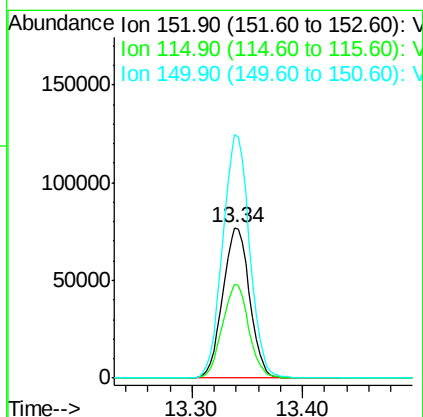
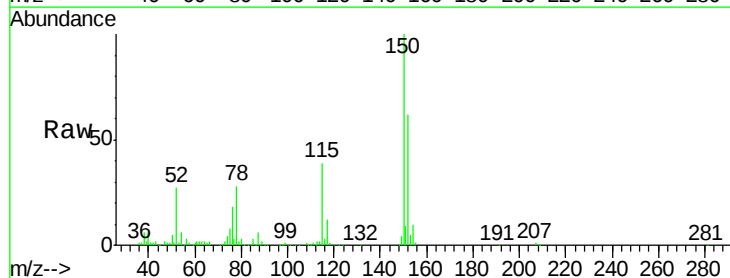
Instrument :
MSVOA_N
ClientSampleID :
30788

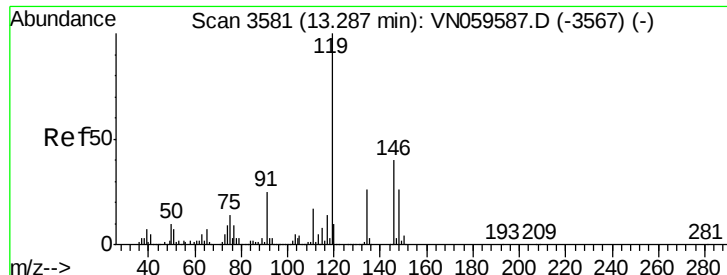
Tot Ion:106 Resp: 10718
Ion Ratio Lower Upper
106 100
91 237.0 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059653.D
Acq: 18 Dec 2019 16:48

Tgt Ion:152 Resp: 130229
Ion Ratio Lower Upper
152 100
115 59.9 30.3 90.9
150 162.2 0.0 345.2

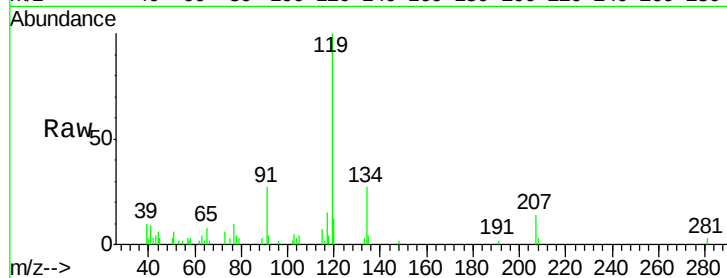




#86
 p-Isopropyltoluene
 Concen: 1.272 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059653.D
 Acq: 18 Dec 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 30788

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.7
91	27.7	12.4	37.4



Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

